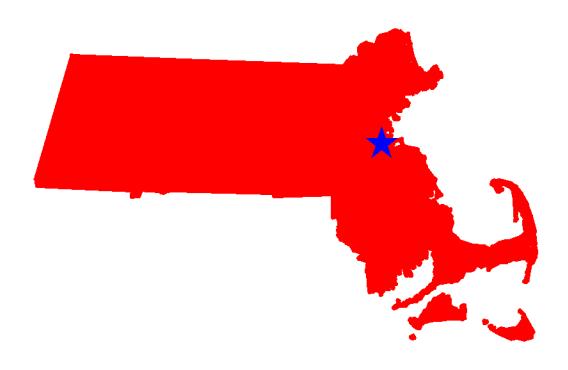


Traffic Safety Facts Massachusetts 2003-2007



This Report Contains Data From the Following Sources: Fatality Data - NCSA Fatality Analysis Reporting System (FARS) FARS Data: 2003-2006 Final File and 2007 Annual Report File (ARF) Observed Safety Belt Data - NCSA National Occupant Protection Use Survey (NOPUS) and the Massachusetts State Survey Vehicle Miles of Travel Data and Motorcycle Registrations - Federal Highway Administration (FHWA) Population Data - U.S. Bureau of the Census





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Fatality Rates: Massachusetts, U.S. and Best State

Year		Fatalities	Total Vehicle Miles Traveled (Millions)	Fatalities Per 100 Million Vehicle Miles Traveled	Total Population	Fatalities Per 100,000 Population
2003	Massachusetts	462	53,709	0.86	6,438,510	7.18
	US	42,884	2,890,450	1.48	290,447,644	14.76
	Best State*			0.83		7.18
2004	Massachusetts	476	54,771	0.87	6,433,676	7.40
	US	42,836	2,964,788	1.44	293,191,511	14.61
	Best State*			0.87		7.40
2005	Massachusetts	441	55,458	0.80	6,429,137	6.86
	US	43,510	2,989,430	1.46	295,895,897	14.70
	Best State*			0.80		6.86
2006	Massachusetts	429	55,136	0.78	6,434,389	6.67
	US	42,708	3,014,116	1.42	298,754,819	14.30
	Best State*			0.78		6.32
2007	Massachusetts	417			6,449,755	6.47
	US	41,059	2,996,409	1.37	301,621,157	13.61
	Best State*					6.47

*State (or States) With Lowest Rates: Lowest VMT and Population Rates Could Be in Different States

2007 State Vehicle Miles Traveled (VMT) Data is Currently Not Available. 2007 National VMT is a Preliminary Estimate and Subject to Change





Alcohol-Related Fatalities: Massachusetts , U.S. and Best State (Old Definition)

	Year	Total Fatalities in all Crashes	Alco BAC :		ed Fataliti BAC : Number	= .08+	Alcohol-Related Fatalities (BAC = .08+) Per 100 Million VMT
2003	Massachusetts	462	215	47	172	37	0.32
	US	42,884	17,105	40	14,678	34	0.51
	Best State*			15		13	0.16
2004	Massachusetts	476	207	44	186	39	0.34
	US	42,836	16,919	39	14,593	34	0.49
	Best State*			25		21	0.27
2005	Massachusetts	441	186	42	162	37	0.29
	US	43,510	17,590	40	15,102	35	0.51
	Best State*			14		13	0.14
2006	Massachusetts	429	186	43	157	37	0.29
	US	42,708	17,738	42	15,144	35	0.50
	Best State*			24		20	0.22
2007	Massachusetts	417	193	46	160	38	
	US	41,059	17,036	41	14,575	35	0.49
	Best State*			23		19	

^{*}State (or States) With Lowest Percents: Lowest Percents Could Be in Different States

^{**}Includes BAC of All Involved Drivers, Motorcycle Riders, Pedalcyclists and Pedestrians



Alcohol-Impaired Driving Fatalities: Massachusetts , U.S. and Best State (New Definition)

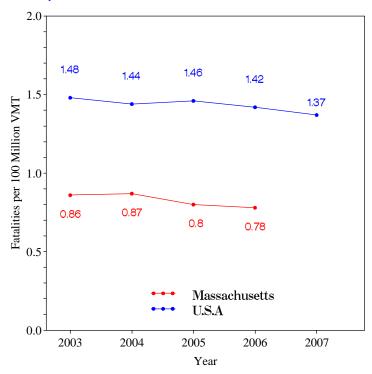
Year		Total Fatalities in all	(BAC =	atalities .08+)**	Alcohol-Impaired Driving Fatalities (BAC = .08+) Per 100 Million
		Crashes	Number	Percent	VMT
2003	Massachusetts	462	156	34	0.29
	US	42,884	13,096	31	0.45
	Best State*			12	0.15
2004	Massachusetts	476	169	36	0.31
	US	42,836	13,099	31	0.44
	Best State*			20	0.25
2005	Massachusetts	441	148	34	0.27
	US	43,510	13,582	31	0.45
	Best State*			12	0.13
2006	Massachusetts	429	144	33	0.26
	US	42,708	13,491	32	0.45
	Best State*			19	0.20
2007	Massachusetts	417	146	35	
	US	41,059	12,998	32	0.43
	Best State*			17	

*State (or States) With Lowest Percents: Lowest Percents Could Be in Different States **Includes BAC of All Involved Drivers and Motorcycle Riders Only



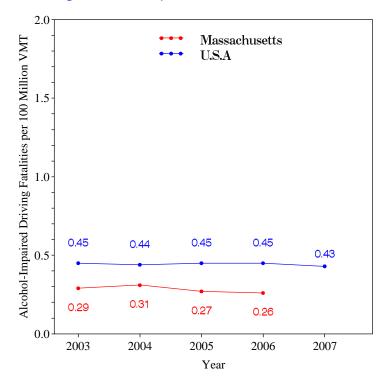


Fatalities per 100 Million VMT: Massachusetts and U.S



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Alcohol-Impaired Driving Fatalities per 100 Million VMT: Massachusetts and U.S







Blood Alcohol Concentration (BAC) Reporting Rates For Drivers/Motorcycle Riders (Operators) Involved in Fatal Crashes: Massachusetts, U.S. and Best State

Drivers/			Surviving ers/Motor Riders		Killed Drivers/Motorcycle Riders Total Drivers/Motorcycle Riders			torcycle		
Year			With Blood Alcohol Concentration (BAC) Results Reported to FARS			With Blood Alcohol Concentration (BAC) Results Reported to FARS			Alco Concer (BA Res	ntration AC) cults rted to
		Total	Number	Percent	Total	Number	Percent	Total	Number	Percent
2003	Massachusetts	117	2	2	218	130	60	335	132	39
	US	51,793	12,358	24	32,471	22,718	70	84,264	35,076	42
	Best State*			87			98			89
2004	Massachusetts	122	1	1	229	70	31	351	71	20
	US	51,440	12,277	24	32,596	21,984	67	84,036	34,261	41
	Best State*			84			97			90
2005	Massachusetts	96			235	129	55	331		
	US	51,791	10,963	21	33,288	22,436	67	85,079	33,399	39
	Best State*			89			98			91
2006	Massachusetts	97	3	3	236	167	71	333	170	51
	US	49,884	11,028	22	32,940	22,531	68	82,824	33,559	41
	Best State*			86			100			87
2007	Massachusetts	96	3	3	223	71	32	319	74	23
	US	47,786	9,975	21	31,867	20,261	64	79,653	30,236	38
	Best State*			84			97			86

*State (or States) With Highest Percents: Highest Percents Could Be in Different States



Passenger Vehicle Occupant Fatalities by Restraint Use: Massachusetts , U.S. and Best State

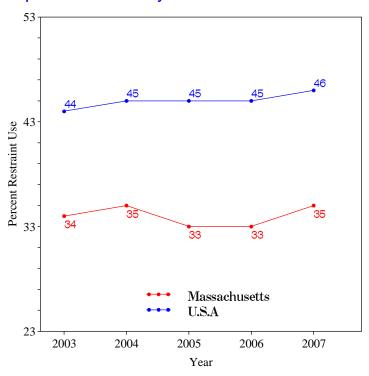
Year		Total Passenger Vehicle Occupant Fatalities	Total Pa Veh Occu Fatal Restra	icle ipant lities	Observed Passenger Vehicle Occupant Restraint Use in all Traffic***	
		Number	Number	Percent	Percent	
2003	Massachusetts	324	111	34	62	
	US	32,271	14,075	44	79	
	Best State*			64	95	
2004	Massachusetts	309	108	35	63	
	US	31,866	14,225	45	80	
	Best State*			68	95	
2005	Massachusetts	298	98	33	65	
	US	31,549	14,061	45	82	
	Best State*			68	95	
2006	Massachusetts	300	100	33	67	
	us	30,686	13,760	45	81	
	Best State*			66	96	
2007	Massachusetts	277	97	35	69	
	US	28,933	13,306	46	82	
	Best State*			64	98	

*State With Highest Percent. Fatal Crash and Observed Percents Can Be Different States **Unknown Restraint Use Was Proportionally Distributed Across Known Restraint Use *** USA Data: National Occupant Protection Use Survey. Massachusetts Data: State Survey



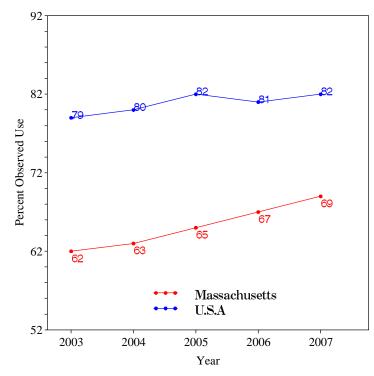


Passenger Vehicle Occupant Fatalities by Percent Restraint Use: Massachusetts and U.S



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Passenger Vehicle Occupants by Percent Restraint Use Observed: Massachusetts and U.S







Passenger Vehicle Occupant Fatalities Aged 5 and Above by Restraint Use and Lives Saved Estimates

			le Occupant and Above*	Passenger Vehicle Occupant Lives Saved Estimates**		
Year	Total	Restrained	Unrestrained	Lives Saved at Current Belt Use	Potential Additional Lives Savable at 100% Usage	
2003	322	110	212	122	92	
2004	306	106	200	117	88	
2005	296	96	200	106	82	
2006	299	100	199	115	82	
2007	276	97	179	105	80	

*Unknown Restraint Use Was Proportionally Distributed Across Known Restraint Use **Lives Saved Estimates

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Passenger Vehicle Occupant Fatalities Aged Under 5 by Restraint Use and Lives Saved Estimates

	Passenger Vehicle Occupant Fatalities Aged Under 5*			Passenger Vehicle Occupant Lives Saved Estimates**			
Year	Total	Restrained	Unrestrained	Lives Saved at Current Belt and Child Seat Usage	Potential Additional Lives Savable at 100% Usage		
2003	2	1	1	0	1		
2004	2	1	1	1	1		
2005	2	2	0	2	0		
2006	0	0	0	0	0		
2007	0	0	0	0			

*Unknown Restraint Use Was Proportionally Distributed Across Known Restraint Use **Lives Saved Estimates



Motorcyclist Fatalities by Helmet Use and Lives Saved Estimates

	Moto	rcycle Ride	er Fatalities*	Motorcycle Rider Lives Saved Estimates**			
Year	Total	Helmeted	Unhelmeted	Lives Saved at Current Helmet Use	Potential Additional Lives Savable at 100% Usage		
2003	35	31	4	19	2		
2004	60	51	9	30	3		
2005	56	52	4	31	1		
2006	50	45	5	26	2		
2007	61	58	3	34	1		

*Unknown Helmet Use Was Proportionally Distributed Across Known Helmet Use **Lives Saved Estimates





Fatalities by Person Type

	Porcon Typo	20	03	200	04	200	05	2006		20	07
Person Type		#	%	#	%	#	%	#	%	#	%
Occupants	Passenger Car	237	18	215	16	197	16	219	18	188	16
	Light Truck - Pickup	27	2	21	2	22	2	25	2	25	2
	Light Truck - Utility	42	3	50	4	61	5	41	3	51	4
	Light Truck - Van	17	1	23	2	17	1	15	1	13	1
	Light Truck - Other	1	0	0	0	1	0	0	0	0	0
	Large Truck	3	0	9	1	1	0	6	0	4	0
	Other/Unknown Occupants	2	0	4	0	1	0	5	0	3	0
	Total Occupants	329	24	322	24	300	24	311	25	284	24
Motorcyclists	Motorcycle	35	3	60	4	56	4	50	4	61	5
Non-Occupants	Pedestrian	86	6	81	6	76	6	61	5	61	5
	Bicyclist and Other Cyclist	11	1	11	1	5	0	6	0	10	1
	Other/Unknown Non-Occupants	1	0	2	0	4	0	1	0	1	0
	Total Non-Occupants	98	7	94	7	85	7	68	5	72	6
Total	Total	462	34	476	35	441	35	429	35	417	35



Fatalities by Crash Type

Crash Type	2003	2004	2005	2006	2007
Total Fatalities (All Crashes)	462	476	441	429	417
- Single Vehicle (1)	302	313	279	273	278
- Involving a Large Truck (2)	35	43	24	34	28
- Involving Speeding (3)	156	158	145	148	140
- Involving a Rollover (4)	88	92	95	89	91
- Involving a Roadway Departure (5)	271	301	274	279	263
- Involving an Intersection (or Intersection related) (6)	110	94	92	91	76

⁽¹⁾ Crash Involved Only One Coded Vehicle

⁽²⁾ Crash Involved at Least One Large Truck

⁽³⁾ Crash Involved at Least One Vehicle Speeding

⁽⁴⁾ Crash Involved at Least One Vehicle That Rolled Over

⁽⁵⁾ Crash Involved at Least One Vehicle That Departed the Roadway (FHWA Definition)

⁽⁶⁾ Crash Occured Within an Intersection or Within the Approach to an Intersection



National Highway Traffic Safety Administration

Motorcyclist Fatalities by Age

Year	Age						
i eai	<20	20-29	30-39	40-49	50-59	>59	Total
2003	1	10	10	8	4	1	34
2004	1	15	19	19	5	2	61
2005	5	13	14	11	12	2	57
2006	1	20	8	10	10	1	50
2007	4	21	14	8	9	6	62

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Motorcyclist Fatalities Per 100,000 Registered Motorcycles*

Year	Motorcyclist Fatalities	Total Motorcycle Registrations	Motorcyclist Fatalities Per 100,000 Motorcycle Registrations
2003	34	130,355	26.08
2004	61	136,887	44.56
2005	57	139,796	40.77
2006	50	143,853	34.76
2007	62		

*Data Source: FHWA





Top 10 Counties for Fatalities and Fatality Rates

Top 10 Fatality Counties		Fatalities	Fatalities per 100,000 Population
1	Worcester County	66	8.45
2	Middlesex County	56	3.80
3	Bristol County	52	9.58
4	Plymouth County	41	8.36
5	Suffolk County	38	5.33
6	Essex County	37	5.05
7	Norfolk County	36	5.50
8	Hampden County	35	7.64
9	Barnstable County	30	13.50
10	Hampshire County	10	6.53

Median Rate for all U.S. Counties: 20.32

Top 10 Fatality Rate Counties		Fatalities	Fatalities per 100,000 Population
1	Barnstable County	30	13.50
2	Bristol County	52	9.58
3	Nantucket County	1	9.50
4	Worcester County	66	8.45
5	Franklin County	6	8.38
6	Plymouth County	41	8.36
7	Hampden County	35	7.64
8	Berkshire County	9	6.93
9	Hampshire County	10	6.53
10	Norfolk County	36	5.50





Top 10 Counties for Alcohol-Impaired Driving Fatalities and Alcohol-Impaired Driving Fatality Rates

Top 10 Alcohol-Impaired Driving Fatality Counties		Fatalities	Fatalities per 100,000 Population
1	Bristol County	21	3.90
2	Middlesex County	21	1.42
3	Worcester County	20	2.60
4	Plymouth County	16	3.26
5	Hampden County	16	3.38
6	Essex County	15	2.01
7	Suffolk County	13	1.81
8	Barnstable County	11	4.95
9	Norfolk County	7	1.02
10	Hampshire County	4	2.42

Median Rate for all U.S. Counties: 5.11

Top 10 Alcohol-Impaired Driving Fatality Rate Counties		Fatalities	Fatalities per 100,000 Population
1	Nantucket County	1	9.50
2	Barnstable County	11	4.95
3	Bristol County	21	3.90
4	Hampden County	16	3.38
5	Plymouth County	16	3.26
6	Worcester County	20	2.60
7	Hampshire County	4	2.42
8	Essex County	15	2.01
9	Franklin County	1	1.96
10	Suffolk County	13	1.81